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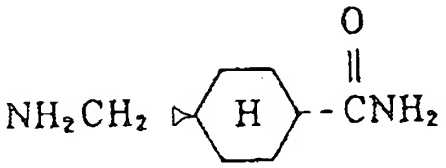
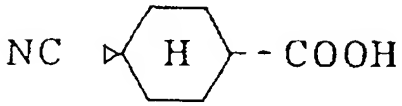
TITLE : ANTITUMOR AGENT



I



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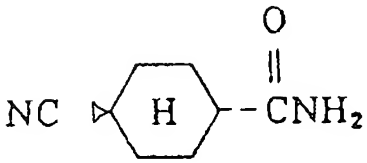

III

ABSTRACT : PURPOSE: To obtain more excellent antitumor agent than existing antitumor agent in terms of medicinal effects and toxicity containing trans-4-aminomethylcyclohexanecarboxylic acid amide as an active ingredient.

CONSTITUTION: An antitumor agent comprising a compound shown by formula I or an acid addition salt thereof as an active ingredient, having stronger activity than any antitumor agent (e.g., cetraxate hydrochloride or cimetidine) sold on the market. A dose is about 0.2-30mg/kg weight per time and administered preferably about 1-3 times daily. The compound shown by formula I is obtained by reacting trans-4-cyanocyclohexanecarboxylic acid shown by formula II with thionyl chloride, then with ammonia and reducing a prepared compound shown by formula III. In the above reaction process, cis-trans conversion does not occur, then the high-purity product of only trans form is obtained. The compound shown by formula II as a starting substance can be readily isolated by difference in water solubility between cis form and trans form.